



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/680,369	10/07/2003	Pavel V. Korchagin	20030252.ORI	4657

23595 7590 01/11/2006
NIKOLAI & MERSEREAU, P.A.
900 SECOND AVENUE SOUTH
SUITE 820
MINNEAPOLIS, MN 55402

EXAMINER

PICO, ERIC E

ART UNIT	PAPER NUMBER
----------	--------------

3654

DATE MAILED: 01/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/680,369	KORCHAGIN ET AL.	
	Examiner	Art Unit	
	Eric Pico	3654	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 November 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 and 5-18 is/are pending in the application.
- 4a) Of the above claim(s) 4 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 5-18 is/are rejected.
- 7) ☒ Claim(s) 15 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claim 15 objected to because of the following informalities: It is indefinite how a step for attaching a third elevator car exists without a step for attaching a second elevator car. The office recommends dependent claim 15 depend on dependent claim 14 instead of independent claim 13. Appropriate correction is required.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim(s) 1, 2, 9, 10, 12, 13, and 18 is/are rejected under 35 U.S.C. 103(a) as being unpatentable over Ho U.S. Patent No. 4828072 in view of Nemeth U.S. Patent No. 1115093.
4. **Regarding claim 1**, Ho discloses a vertically mobile corridor, referred to as a maintenance lift 71, for the face of a building comprising a pair of rails, referred to as column 12, attached to the face of a building, an elevator car, referred to as lift 70, for carrying passengers on each rail shown in Figure 1, and a corridor extending between the elevator cars 70 for riding up and down the face of the building when the elevator cars travel up and down the face of the building in unison Column 7 Lines 10-15.

Art Unit: 3654

5. Ho is silent concerning the corridor being enclosed.
6. Nemeth teaches an enclosed corridor, referred to as cage or car C.
7. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the corridor disclosed by Ho with an enclosure taught by Nemeth to protect passengers on the corridor from fire and falling debris.
8. **Regarding claim 2**, Ho further discloses each elevator 70 having a cog wheel 54, 86, and 89 driven by an electric motor 81 for engaging a toothed portion 21 of the rail 12 for raising and lowering the elevator 70.
9. **Regarding claim 9**, Ho is silent concerning a fireproof insulated wall on an enclosed corridor.
10. Nemeth teaches a fireproof insulated wall, using asbestos a Lines 63-72, on an enclosed corridor facing the building to protect the inside of the corridors.
11. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the corridor disclosed by Ho with fireproof insulated walls disclosed to protect individuals on the corridor from fire.
12. **Regarding claim 10**, Ho is silent concerning a fireproof insulated floor and roof on the enclosed corridor.
13. Nemeth teaches a fireproof insulated roof, using asbestos a Lines 63-72, on an enclosed corridor C to protect the inside of the enclosed corridor.
14. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the corridor floor disclosed with fireproof insulation taught Nemeth

Art Unit: 3654

and provide the corridor disclosed by Ho with a fireproof insulated roof taught by Nemeth to protect individuals on the corridor from fire.

15. **Regarding claim 12**, Ho is silent concerning doors on the enclosed corridor.

16. Nemeth teaches doors, referred to as openings O, on an enclosed corridor C to provide access from the enclosed corridor C to the building B.

17. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the corridor disclosed by Ho with doors on an enclosed corridor to facilitate access from the building to the enclosed corridor.

18. **Regarding claim 13**, Ho further discloses a method for accessing the face of a building. The method disclosed by Ho includes attaching a pair of spaced rails 12 to the face of a building (Column 3, Lines 13-18). Attaching an elevator car 70 to each of the rails 12 (Column 5, Lines 55-62). Attaching a corridor 71 between the elevators 70 (Column 7, Lines 10-12). Running the elevator cars 70 on the rails 12 up and down the face of the building in unison (Column 7, Lines 12-15) to lift and lower the corridor 71 to the desired position to gain access to the surface of the building.

19. Ho is silent concerning the corridor being enclosed.

20. Nemeth teaches an enclosed corridor, referred to as cage or car C.

21. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the corridor disclosed by Ho with an enclosure taught by Nemeth to protect passengers on the corridor from fire and falling debris.

Art Unit: 3654

22. **Regarding claim 18**, Ho discloses a method for accessing the face of a building comprising incorporating a corridor on the platform to protect those on the platform (Column 7, Lines 12-15).

23. Claim(s) 3 and 6 is/are rejected under 35 U.S.C. 103(a) as being unpatentable over Ho U.S. Patent No. 4828072 in view of Nemeth U.S. Patent No. 1115093 as applied to claim 1 above, and further in view of Bates U.S. Patent No. 642779.

24. **Regarding claim 3**, Ho is silent concerning an enclosed corridor pivotally connected to each elevator car.

25. Bates teaches a vertically mobile corridor 15 for the face of a building having corridor 15 pivotally connected 16 to each elevator car 14.

26. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide a pivotal connection taught by Bates to the elevator car and the corridor disclosed by Bates to facilitate the connection between the elevator car and the corridor.

27. **Regarding claim 6**, Ho is silent concerning corner corridor portion attached to an elevator for connecting to other corridor portions at the corners of the building.

28. Bates further teaches a corner corridor portion 14 attached to an elevator 23 for connecting to other corridor portions 14 at the corners of the building, shown in Figure 3.

29. It would have been obvious to one of the ordinary skill in the art at the time of the invention to modify the vertically mobile platform disclosed by Ho to include corner

Art Unit: 3654

corridor portions at the corners of the building taught by Bates to access all four sides of the building.

30. Claim(s) 5, 11, and 18 is/are rejected under 35 U.S.C. 103(a) as being unpatentable over Ho U.S. Patent No. 4828072 in view of Nemeth U.S. Patent No. 1115093 as applied to claim 1 above, and further in view of Karanouh U.S. Patent No. 6443262.

31. **Regarding claim 5**, Ho is silent concerning a scaffold on top of the corridor.

32. Karanouh teaches a scaffold on top of a corridor shown in Figure 1.

33. It would have been obvious to one of the ordinary skill in the art at the time of the invention to include a scaffold as taught by Karanouh to the top of the corridor disclosed by Ho to reach high areas above a corridor.

34. **Regarding claim 11**, Ho is silent concerning a truss for supporting a platform.

35. Karanouh further teaches a truss 110 for supporting a platform 115.

36. It would also have been obvious to one of the ordinary skill in the art at the time of the invention to include trusses as taught by Karanouh to the platform of Ho to maintain the platforms rigid structure while supporting many individuals.

37. **Regarding claim 18**, Ho is silent concerning a method accessing the face of a building comprising the step of incorporating a scaffold on a corridor.

38. Karanouh further teaches incorporating a scaffold on a corridor.

39. It would have been obvious to one of the ordinary skill in the art to include the step of incorporating a scaffold on a corridor because these steps would result from the

Art Unit: 3654

use of the device of Ho in view Nemeth and Karanouh in its normal and expected fashion.

40. Claim(s) 7, 8, 14, 15, and 16 is/are rejected under 35 U.S.C. 103(a) as being unpatentable over Ho U.S. Patent No. 4828072 in view of Nemeth U.S. Patent No. 1115093 as applied to claim 1 above, and further in view of Korchagin et al. U.S. Publication No. 2004/0262086.

41. **Regarding claim 7**, Ho is silent concerning a vertically mobile enclosed corridor for the face of a building having a second elevator car running on at least one of the rails 17.

42. Korchagin et al. teaches having a second elevator car 3, 58 running on rails 17.

43. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the rails disclosed by Ho with a second elevator car taught by Korchagin et al. to facilitate exiting the building.

44. **Regarding claim 8**, Ho is silent concerning a vertically mobile enclosed corridor for the face of a building having an elevator with a crane running on at least one of the rails.

45. Korchagin et al. teaches an elevator 3 with a crane running on rails 17.

46. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the rails disclosed by Ho with an elevator with a crane taught by Korchagin et al. to facilitate exiting the building.

Art Unit: 3654

47. **Regarding claim 14**, Ho is silent concerning a method accessing the face of a building comprising the step of attaching a second elevator car to at least one of the rails.

48. Korchagin et al. teaches having a second elevator car 3, 58 running on rails 17.

49. It would have been obvious to one of the ordinary skill in the art to include the step of attaching a second elevator car to at least one of the rails because these steps would result from the use of the device of Ho in view Nemeth and Korchagin et al. in its normal and expected fashion.

50. **Regarding claim 15**, Ho is silent concerning a method accessing the face of a building comprising the step of attaching a third elevator having a crane to at least one of the rails.

51. Korchagin et al. teaches an elevator 3 with a crane running on rails 17.

52. It would have been obvious to one of the ordinary skill in the art to include the step of attaching a third elevator car to at least one of the rails because these steps would result from the use of the device of Ho in view Nemeth and Korchagin et al. in its normal and expected fashion.

53. **Regarding claim 16**, Ho is silent concerning a method accessing the face of a building comprising the step of attaching a pod to a crane.

54. Korchagin et al. teaches a pod, referred to as cabin 5, attached to a crane.

55. It would have been obvious to one of the ordinary skill in the art to include the step of attaching pod to a crane because these steps would result from the use of the device of Ho in view Nemeth and Korchagin et al. in its normal and expected fashion.

Response to Arguments

56. Applicant's arguments filed 11/15/2005 have been fully considered but they are not persuasive. Regarding the statement, "the elevator is an elevator car for carrying passengers and not a lift 70 as in Ho, which does not have an enclosed area or car for carrying passengers", Ho in fact has an enclosed area or car for carrying passengers. Ho discloses the lift 70 including a floor 120 and a guard railing and support 122. It is clearly shown in Figure 1 a passenger being carried by lift 70 and enclosed by guide railing and support.

57. Applicant's arguments, see Page 6, filed 11/15/2005, with respect to the rejection(s) of claim(s) 1, 2, and 13 under 35 U.S.C. 102(b) as being anticipated by Ho have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Ho U.S. Patent No. 4828072 in view of Nemeth U.S. Patent No. 1115093.

58. Applicant's arguments, see Page 7, filed 11/15/2005, with respect to the rejection(s) of claim(s) 14 under 35 U.S.C. 102(b) as being anticipated by Ho have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Ho U.S. Patent No. 4828072 in view of Nemeth U.S. Patent No. 1115093 and Korchagin et al. U.S. Publication No. 2004/0262086.

59. Applicant's arguments, see Page 8, filed 11/15/2005, with respect to the rejection(s) of claim(s) 14 under 8, 15, and 16 under 35 U.S.C. 103(a) as being

Art Unit: 3654

unpatentable over Ho in view of Cox have been fully considered and are persuasive.

Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Ho U.S. Patent No. 4828072 in view of Nemeth U.S. Patent No. 1115093 and Korchagin et al. U.S. Publication No. 2004/0262086.

60. Applicant's arguments with respect to claim 3, 5-12, and 15-18 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

61. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Crump U.S. Patent No. 4469198, Fry U.S. Patent No. 4121693, Kucher et al. U.S. Patent No. 4640384, Drolet et al. U.S. Patent No. 5113969, Just-Buddy U.S. Patent No. 5127491, Drolet et al. U.S. Patent No. 5582467, Korchagin et al. U.S. Publication No. 2005/0023082.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Pico whose telephone number is 571-272-5589. The examiner can normally be reached on 6:30AM - 3:00PM M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Katherine Matecki can be reached on 571-272-6951. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3654

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EEP

A handwritten signature in black ink that reads "Kathy Matecki". The signature is written in a cursive, flowing style.

**KATHY MATECKI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600**